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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Visco et al.

Attorney Docket No.: PLUSP038

Application No.: 10/825,587

Examiner: Not yet assigned

Filed: April 14, 2004

Group: 1745

Title: ACTIVE METAL CELLS

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as first-class mail on October 4, 2004 in an envelope addressed to the Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

Signed: 

Mia Mitchell-Haynes

**INFORMATION DISCLOSURE STATEMENT
37 CFR §§1.56 AND 1.97(b)**

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The references listed in the attached PTO Form 1449, copies of which are attached, may be material to examination of the above-identified patent application. Applicants submit these references in compliance with their duty of disclosure pursuant to 37 CFR §§1.56 and 1.97. The Examiner is requested to make these references of official record in this application.

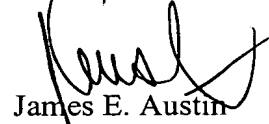
This Information Disclosure Statement is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that these references indeed constitute prior art.

This Information Disclosure Statement is: (i) filed within three (3) months of the filing date of the above-referenced application, (ii) believed to be filed before the mailing date of a first Office Action on the merits, or (iii) believed to be filed before the mailing of a first Office Action after the filing of a Request for Continued Examination under §1.114. Accordingly, it is believed that no fees are due in connection with the filing of this Information Disclosure

Statement. However, if it is determined that any fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 500388 (Order No. PLUSP038).

Respectfully submitted,

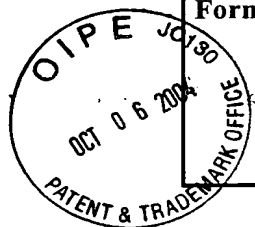
BEYER WEAVER & THOMAS, LLP

A handwritten signature in black ink, appearing to read "James E. Austin", written over the printed name.

James E. Austin

Registration No. 39,489

P.O. Box 778
Berkeley, CA 94704-0778



Form 1449 (Modified) Information Disclosure Statement By Applicant (Use Several Sheets if Necessary)	Atty Docket No. PLUSP038 Applicant: Visco, et al. Filing Date April 14, 2004	Application No.: 10/825,587 Group 1745
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U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	A1	5,648,187	07/15/97	Skotheim			
	A2	5,314,765	05/24/94	Bates			
	A3	4,981,672	01/01/91	De Neufville et al.			
	A4	6,025,094	02/2000	Visco, et al.			
	A5	5,342,710	08/30/94	Koksbang			
	A6	5,409,786	04/25/95	Bailey			
	A7	5,100,523	03/31/92	Helms et al.			
	A8	5,696,201	12/09/97	Cavalloni, et al.			
	A9	4,162,202	07/24/79	Dey			
	A10	5,455,126	10/03/95	Bates et al.			
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	A14	5,569,520	10/29/96	Bates			
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	A36	4,007,057	02/08/77	Littauer et al.			

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub- class	Translation	
							Yes	No
	B1	0875951A1	11/04/98	EP				
	B2	0689260B1	04/21/99	EP				
	B3	0111214A2	11/23/83	EP				
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Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	C1	Nippon Telegr & Teleph Corp., "Patent Abstracts of Japan," vol. 008, no. 119 (E-248), June 5, 1984 & JP 59 031573 A, 20 February 1984.
	C2	Anders et al., "Plasma is Produced Simply", R&D Research & Development, R&D Magazine, Vol. 39, No. 10, September 1997, www.rdmag.com , p. 65.
	C3	Steven D. Jones, et al., "Thin film rechargeable Li batteries", 1994, <u>Solid State Ionics</u>
	C4	J.B. Bates, et al., "Thin-film rechargeable lithium batteries," 1995, <u>Journal of Power Sources</u>
	C5	N. J. Dudney, et al., "Sputtering of lithium compounds for preparation of electrolyte thin films," 1992, <u>Solid State Ionics</u>
	C6	J. B. Bates, et al., "Electrical properties of amorphous lithium electrolyte thin films," 1992, <u>Solid State Ionics</u>
	C7	Xiaohua Yu, et al, "A Stable Thin-Film Lithium Electrolyte: Lithium Phosphorus Oxynitride," 02-97, <u>J. Electrochem. Soc.</u> , Vol 144, No. 2
	C8	Fu, Jie, "Fast Li ⁺ Ion Conduction in Li ₂ O-Al ₂ O ₃ -TiO ₂ -SiO ₂ -P ₂ O ₅ Glass-Ceramics", Journal of the American Ceramics Society, Vol. 80, No. 7, July 1997, pp. 1-5.
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	A39	5,525,442	06/11/96	Shuster			
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	C14	Aono, et al., "Ionic Conductivity of $\beta\text{-Fe}_2(\text{SO}_4)_3$ Type $\text{Li}_3\text{Cr}_2(\text{PO}_4)_3$ Based Electrolyte", Chemistry Letters, 1993, pp. 2033-2036.
	C15	Aono, et al., "Ionic Conductivity of $\text{LiTi}_2(\text{PO}_4)_3$ Mixed with Lithium Salts", Chemistry Letters, 1990, pp. 331-334.
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	C17	Fu, Jie, "Fast Li^+ ion conducting glass-ceramics in the system $\text{Li}_2\text{O}-\text{Al}_2\text{O}_3-\text{GeO}_2-\text{P}_2\text{O}_5$ " Solid State Ionics 104 (1997), pp. 191-194.
	C18	Aono, et al., "DC Conductivity of $\text{Li}_{1.3}\text{Al}_{0.3}\text{Ti}_{1.7}(\text{PO}_4)_3$ " Ceramic with Li Electrodes", Chemistry Letters, 1991, pp. 1567-1570.
	C19	Aono, et al., "Electrical Properties of Sintered Lithium Titanium Phosphate Ceramics ($\text{Li}_{1+x}\text{M}_x\text{Ti}_{2-x}\text{PO}_4$) ₃ , $\text{M}^{3+}=\text{Al}^{3+}, \text{Sc}^{3+}$, or Y^{3+} ", Chemistry Letters, 1990, pp. 1825-1828.
	C20	Button, et al., "Structural disorder and enhanced ion transport in amorphous conductors", Solid State Ionics, Vols. 9-10, Part 1, December 1983, pp. 585-592 (abstract)
	C21	Shuster, Nicholas, "Lithium Water Power Source for Low Power - Long Duration Undersea Applications", Westinghouse Electric Corporation, 1990 IEEE, pp. 118-123.
	C22	VanVoorhis, et al., "Evaluation of Air Cathodes for Lithium/Air Batteries", Electrochemical Society Proceedings Volume 98-16, 1999, pp. 383-390.
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	C24	J. Read, "Characterization of the Lithium/Oxygen Organic Electrolyte Battery", Journal of The Electrochemical Society, 149 (9) (2002), pp. A1190-A1195.
	C25	Abraham et al., "A Polymer Electrolyte-Based Rechargeable Lithium/Oxygen Battery", Technical Papers, Electrochemical Science and Technology, J. Electrochem. Soc., Vol. 143, No. 1, January 1996, pp. 1-5.
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	C27	Feng et al., "Electrochemical behavior of intermetallic-based metal hydrides used in Ni/metal hydride (MH) batteries: a review", International Journal of Hydrogen Energy, 26 (2001), pp. 725-734.
	C28	Iwakura et al., "All solid-state nickel/metal hydride battery with a proton-conductive phosphoric acid-doped silica gel electrolyte", Electrochimica Acta 48 (2003), pp. 1499-1503.
	C29	Li et al., "Lithium-Ion Cells with Aqueous Electrolytes", J. Electrochem. Soc., Vol. 142, No. 6, June 1995, pp. 1742-1746.
	C30	Zhang et al., "Electrochemical Lithium Intercalation in VO ₂ (B) in Aqueous Electrolytes", J. Electrochem. Soc., Vol. 143, No. 9, September 1996, pp. 2730-2735.
	C31	Urquidi-Mcdonald, Mirna, "Hydrogen storage and semi-fuel cells", http://enr.psu.edu/h2e/Pub/Macdonald1.htm , (downloaded January 27, 2004, 3 pages).
	C32	Urquidi-Mcdonald, et al., "Lithium/poly(organophosphazene) membrane anodes in KOH and seawater", Electrochimica Acta 47, (2002), pp. 2495-2503.
	C33	Nimon et al., "Stability of Lithium Electrode in Contact with Glass Electrolytes", SSI-14, June 22-27, 2003, Monterey, CA. (conference poster).
	C34	Nimon et al., "Stability of Lithium Electrode in Contact with Glass Electrolytes", SSI-14 Conference, Monterey, CA., June 22, 2003, Abstract of Poster.
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